

Yorkshire Dales National Park

Forecast valid from 06:00 on Saturday 23 Dec 2023 until 23:59 on Sunday 24 Dec 2023

Forecast Issued on Saturday 23 Dec 2023 at 04:51

Confidence: High confidence for a continuation of windy conditions, especially Christmas Eve. Winds easing for Boxing Day. Confidence is lower for amount of showers and rainfall over the weekend.

Headline for Saturday 23 Dec 2023: Outbreaks of rain then persistent rain, turning heavy. Gales, hill fog and a severe windchill.

Mountain weather hazards on Saturday 23 Dec 2023

Blizzards No Likelihood	Heavy persistent snow No Likelihood	Storm force winds Low Likelihood
Gales High Likelihood	Severe chill effect Low Likelihood	Poor visibility Medium Likelihood
Thunderstorms No Likelihood	Heavy persistent rain Medium Likelihood	Strong sunlight No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Light rain	Light rain	Light rain	Heavy Rain	Heavy Rain	Heavy Rain
Precipitation probability					
60%	40%	70%	70%	60%	80%

Forecast for Saturday 23 Dec 2023

Weather: Outbreaks of rain this morning, especially across western areas. This afternoon the rain will gradually become widespread and persistent, then turning heavy this afternoon. Remaining cloudy and quite dull with gales throughout, perhaps the odd brighter spell towards further east of the Yorkshire Dales.

Chance of cloud-free hill tops above 600m: 50% in the east, 20% around western hills this morning. Becoming 20% in the east and 10% or less across western areas this afternoon and evening.

Low Cloud and visibility: Layers of broken cloud above 500m can be expected around western peaks, while further east low cloud will be patchier with many summits remaining clear, until this evening when overcast cloud around 500m develops. Visibility will also be moderate or poor at times in the west with limited views expected at height, further east better views will be possible.

Forecast for Saturday 23 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	38/49 W	32/42 W	29/38 W	32/44 W	33/44 W	40/53 SW	35/48 W
300	22/47 W	18/40 W	17/38 W	21/44 W	20/41 W	20/43 SW	20/42 W
Valley	14/35 W	14/35 W	14/31 W	16/36 W	15/34 SW	16/37 SW	15/34 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	5/-2	5/-1	6/0	6/0	6/0	7/0	8/2
300	8/3	7/3	8/4	8/4	8/3	8/4	9/6
Valley	9/6	9/6	9/6	9/6	9/6	9/6	11/8
Freezing Level*	1400m	2200m	2200m	2300m	2100m	3000m	2900m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Another very windy day with gusts 55-60mph across peaks and ridges. Feeling cold in rain and very strong winds.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sat 23 Dec 2023	12mm	32mm	53.8mm

Forecast for Sunday 24 Dec 2023

Weather: Heavy rain at first, this soon easing overnight and then clearing south early morning. A few bright spells will develop but then turning showery, with the showers often grouping together to give longer spells of rain, especially across western areas. Severe gales on and to the east of the higher ground, making progress difficult.

Maximum wind: Southwesterly 40-45mph with gusts 60mph, perhaps isolated 70mph.

Chance of cloud-free hill tops above 600m: 20% or less increasing to 70% during the day.

Low Cloud and visibility: Overcast cloud above 500m will lift and clear during the morning, perhaps thickening and lowering in showers or any longer periods of rain. Visibility will be moderate or poor initially but will be good outside of showers later.

Temperature: **Valleys:** Plus 11 falling to 8 Celsius.
At 600m: Plus 8 falling to 4 Celsius.
Freezing level: Above all summits.